



## PATENT ABSTRACTS OF JAPAN

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## (54) INFORMATION INPUT DEVICE

## (57) Abstract:

**PURPOSE:** To make an easy and accurate information input possible, by subjecting picture information to compression processing in accordance with the number of scanning lines of a display and displaying this information as a contracted picture and designating coordinate positions while restoring and processing the picture near designated coordinate positions on the display screen.

**CONSTITUTION:** Original picture information is stored as binary data in a memory 1. A contraction converting device 2 subjects this original picture to the picture contraction processing to convert it to contraction multilevel pattern data having a small number of scanning lines. In this conversion, each picture element is weighted to obtain picture element data of representative points. Then, multilevel contraction picture information having variable density gradations is stored in a display memory 3. This information is read out for every picture element and is displayed as a picture having gradations on a display 4. The whole of one-screen components of the original picture is displayed in this picture, and positions on the screen correspond to those of the original picture, and positions on the screen correspond to those of the original picture. Consequently, the whole of information is easily grasped from this overall picture, and prescribed information is indicated easily with a light pen 5 and is inputted.

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